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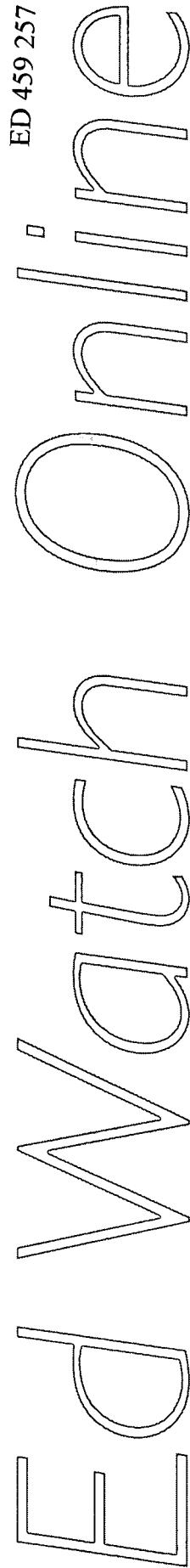
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ABSTRACT

This report provides data on the academic achievement gap that separates low-income and minority students from other students, examining how well different groups of students perform in Oklahoma and noting inequities in teacher quality, course offerings, and funding. Included are tables and data that provide: a frontier gap analysis (a comparison of Oklahoma to the leaders in achievement and gap closing); student profile (the demographic distribution of youth in Oklahoma); state performance (academic achievement and educational attainment); opportunity (well prepared teachers, challenging curricula, special student placements, effective instruction, and annual per pupil investments); minority achievement gains, state by state; and analysis of minority-white achievement gaps by subject area and grade level. Student achievement data are based on the National Assessment of Educational Progress (NAEP). Because Oklahoma did not participate in the 1994 and 1996 NAEP, it is impossible to provide a complete profile of student achievement in Oklahoma. Based on 1998 evaluations, 8th graders from low-income families in Oklahoma out-perform low-income 8th graders in all other states. Hispanic and African American 8th graders in Oklahoma score more than 2 years behind white 8th graders in the state in writing, and more than 1 year behind in reading. (Contains 24 references.) (SM)



State Summary of Oklahoma

To eliminate the achievement gap that separates low-income and minority students from other students, we must understand what that gap looks like and where it originates. Consider first how well different groups of students perform in your state. Look for in-state inequities in teacher quality and course offerings. Attention must also be paid to funding gaps. This State Summary Report provides a closer look at how these and other factors may be contributing to the gap.

OKLAHOMA HIGHLIGHTS

- Oklahoma is currently the frontier state in writing for low-income 8th graders. That is, low-income 8th graders in Oklahoma out-perform low-income 8th graders in all other states in writing.
- However, Latino 8th graders in Oklahoma score more than two years behind White 8th graders in the state in writing, and more than one year behind in reading.
- Similarly, African American 8th graders in Oklahoma score more than two years behind White 8th graders in the state in writing, and more than one year behind in reading.
- Student achievement data are based on NAEP. Because Oklahoma did not participate in any of the 1994 or 1996 NAEP tests, it is impossible to provide a full public picture of achievement in Oklahoma.

(The description above is meant to provide a general overview of the state's gaps and progress in student achievement. Readers who wish to compare states on these measures should consult the precise figures reported on the "Frontier Gap Analysis" page inside.)

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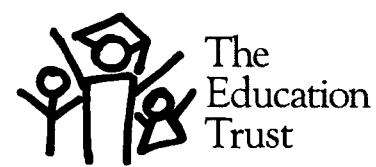
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PLEASE NOTE that the State Summary Reports are merely a selection of the data from the Education Watch Interactive Data site. For more complete data, and for more cross-state comparisons, please visit the site at www.edtrust.org. Do remember, however, that you may have fuller, richer or more current data sets in your state for some of the indicators we report, because we only use data that can be compared across states. We therefore encourage you to gather and examine a wide range of data from your own state and local districts. In this way, communities will come to see a full picture of how their students are faring and what can be done to improve results.

OKLAHOMA

Frontier Gap Analysis

Education Watch Online introduces a new way to look at achievement gaps in each state: by comparing them with the "frontier" state for a particular group of students, that is, the state with the highest average score for that group. The comparison shows that, in most cases, achievement gaps would shrink dramatically if a state's poor or minority students performed as well as the same group of students in the frontier state. But that's only part of a longer journey; visit the Education Watch Online interactive Web site to see how far your state has to go before all groups of students perform at the "proficient" level on the National Assessment of Educational Progress (NAEP).

How to read the table:

Within-State Achievement Gap: For African American and Latino students, this is the difference between that group's average score and the average score of white students on a particular test. For low-income students, this is the difference between their average score and the average score of non-poor students on the test.

Example: "On Average, Oklahoma's African American students scored 33 points lower than the state's White students on NAEP's 1998 4th Grade Reading Assessment."

Frontier State for Group: This is the state where a particular group of students - African American, Latino, or low-income - scores the highest on the test. But, because such students can achieve much higher than they do even in the frontier state, the current frontier should be viewed as a short-term target rather than a long-term goal.

Example: "African American students in Connecticut out-perform African American students in all other states on NAEP's 1998 4th Grade Reading Assessment."

Group's Distance to Frontier State: For African American, Latino, and low-income students, this is the difference between their average score and the average score for the same group of students in the frontier state.

Example: "African American students in Oklahoma scored 13 points behind African American students in Connecticut, the frontier state for African American students on that test."

Amount State's Achievement Gap Would Shrink: This is approximately how much the state's achievement gap would shrink if its African American, Latino, and low-income students scored as well as the same group of students in the frontier state.

Example: "If Oklahoma's African American 4th graders scored as well as those in Connecticut, the state's math achievement gap between African American and White 4th Graders would shrink by 39%."

NOTE: A difference of 10 points is roughly equivalent to one year's worth of learning.

| NAEP Assessment | Group | Within-State Achievement Gap | Frontier State for Group | Group's Distance to Frontier | Amount State's Achievement Gap Would Shrink * |
|--------------------------|------------------|-----------------------------------|--------------------------|------------------------------|---|
| 4th Grade Math (1996) | African American | STATE DID NOT PARTICIPATE IN TEST | | | |
| | Latino | | | | |
| | Low-Income | | | | |
| 8th Grade Math (1996) | African American | STATE DID NOT PARTICIPATE IN TEST | | | |
| | Latino | | | | |
| | Low-Income | | | | |
| 8th Grade Science (1996) | African American | STATE DID NOT PARTICIPATE IN TEST | | | |
| | Latino | | | | |
| | Low-Income | | | | |
| 4th Grade Reading (1998) | African American | 33 | CT | 13 | 39% |
| | Latino | 18 | IA | 3 | 17% |
| | Low-Income | 21 | ME | 7 | 33% |
| 8th Grade Reading (1998) | African American | 18 | KS | 2 | 11% |
| | Latino | 17 | VA | 1 | 6% |
| | Low-Income | 13 | ME | 3 | 23% |
| 8th Grade Writing (1998) | African American | 22 | TX | 12 | 55% |
| | Latino | 22 | VA | 12 | 55% |
| | Low-Income | 16 | OK | 0 | 0% |

* Calculations take into account decimals. For clarity of presentation, data are displayed as whole numbers. Therefore, some figures may differ slightly from hand calculations.

Note: Low-Income refers to students eligible for free or reduced price lunch.

SOURCE: Education Trust calculations based on average scale scores on the National Assessment of Educational Progress as reported by the National Center for Education Statistics.

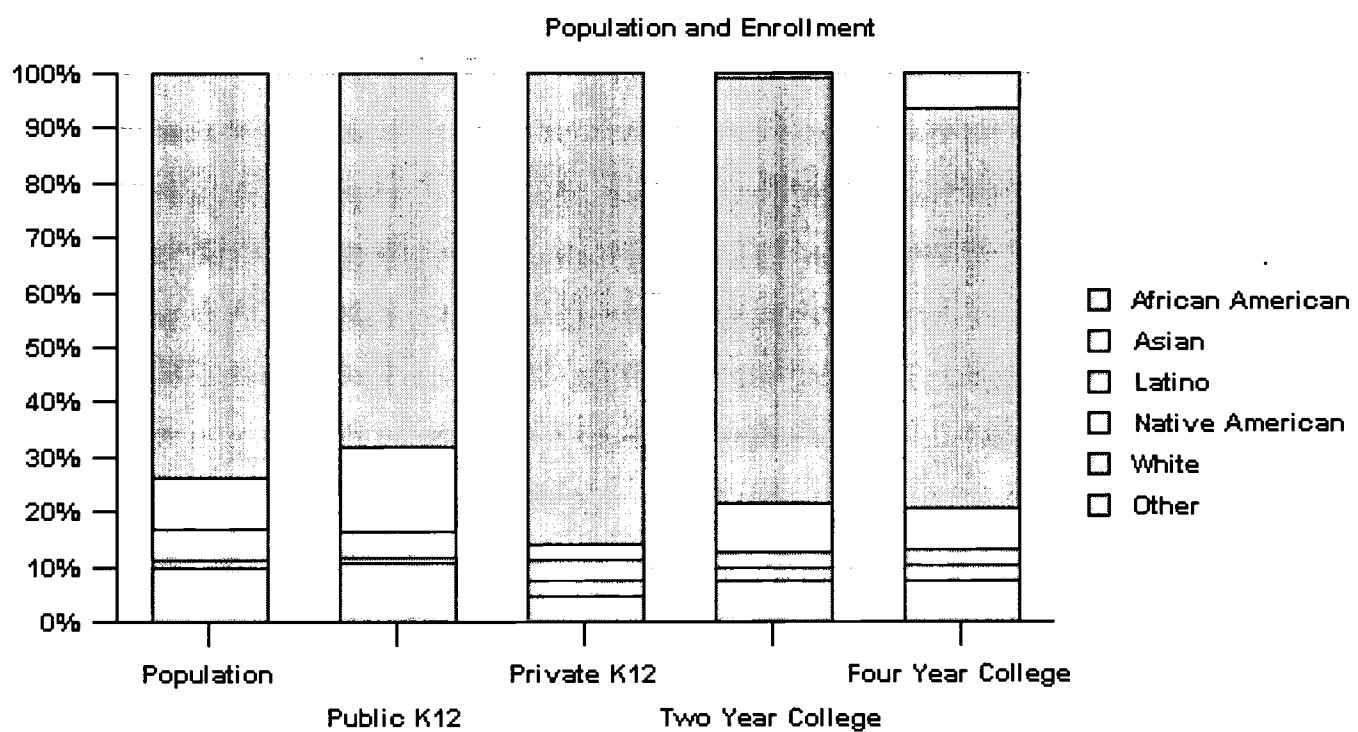
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Student Profile

STUDENT PROFILE

Population and enrollments: These data will offer a picture of the student population in your state. Comparing the demographic distribution of students across each educational level will show what happens to children as they journey through the education system. Significant differences should raise questions about equity.

| | Population Ages 5-24 | Public K-12 | Private K-12 | Two Year Colleges | Four Year Colleges |
|------------------|-------------------------|-------------|--------------|----------------------|-----------------------|
| African American | 9.7% | 10.6% | 4.7% | 7.5% | 7.5% |
| Asian | 1.4% | 1.3% | 2.8% | 2.3% | 2.9% |
| Latino | 5.6% | 4.6% | 3.5% | 2.7% | 2.5% |
| Native American | 9.5% | 15.5% | 3.1% | 9.1% | 7.5% |
| White | 73.8% | 68.1% | 85.9% | 77.5% | 73.1% |
| Other | | | | 0.9% | 6.4% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Number | 992,376 | 623,681 | 31,232 | 61,908 | 114,443 |



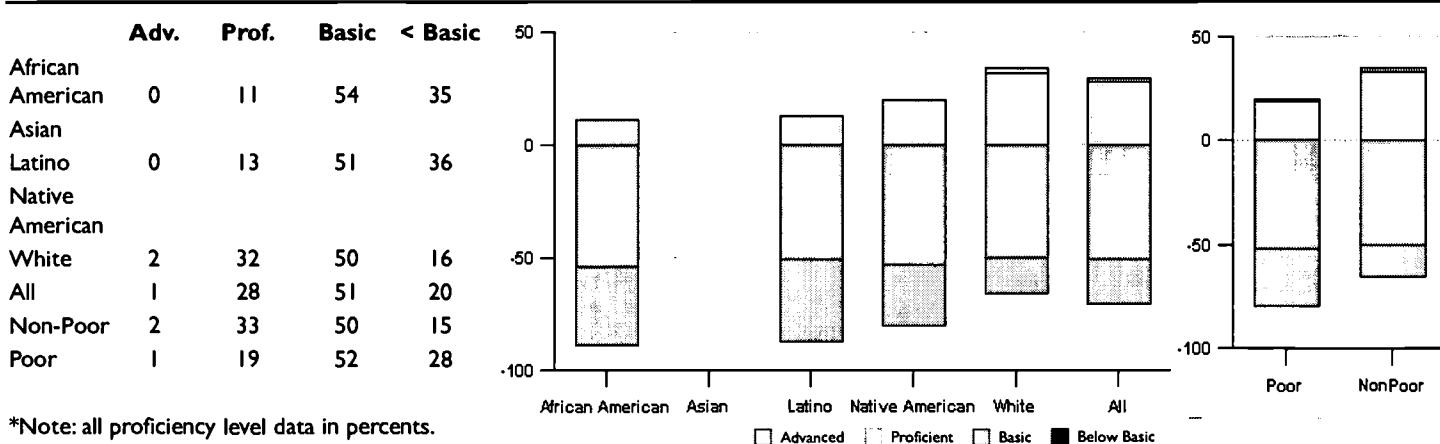
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State Performance

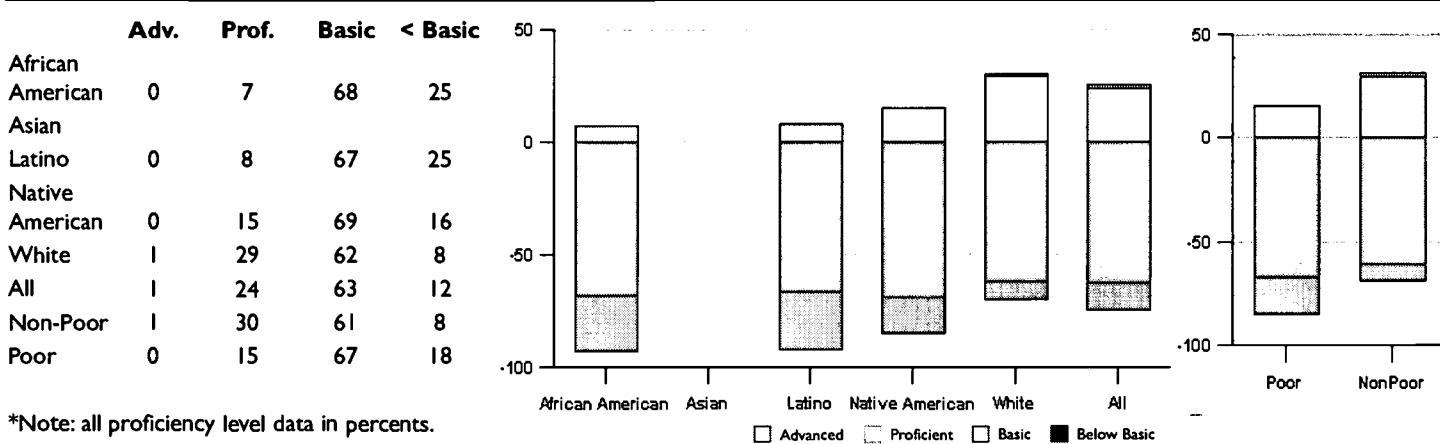
ACADEMIC ACHIEVEMENT

NAEP achievement levels: The National Assessment of Educational Progress (NAEP) is administered to representative samples of students nationally and in participating states. NAEP achievement is reported by percents in four categories: Advanced, Proficient, Basic and Below Basic. "Proficient" indicates the desired level of competency for students at a particular grade in a particular subject. In this indicator, closing the achievement gap between groups is critical, but it is not enough. Schools have a long way to go to move all American young people to proficiency.

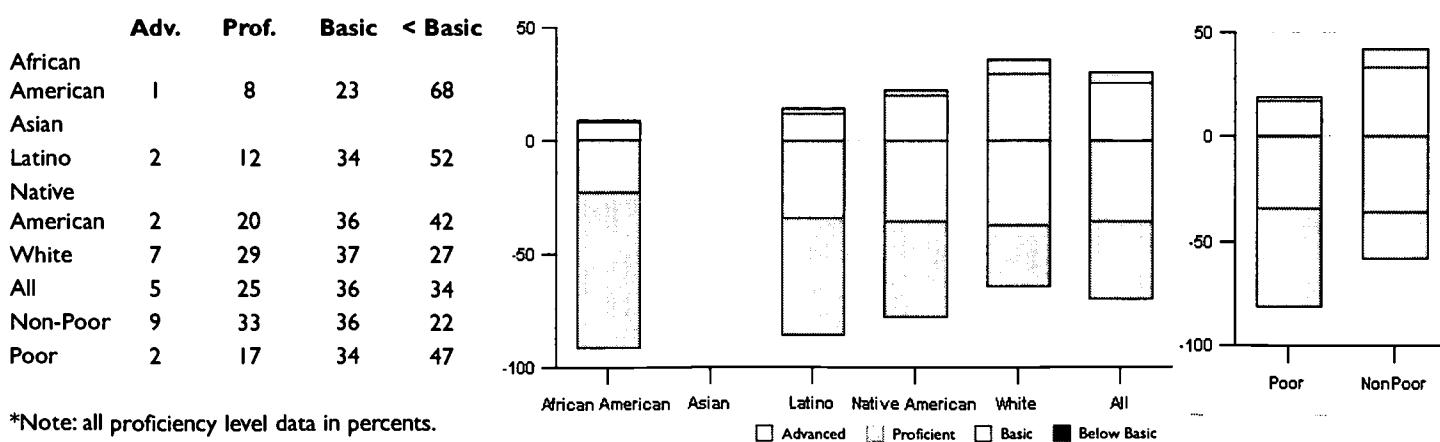
1998 NAEP 8th grade reading



1998 NAEP 8th grade writing



1998 NAEP 4th grade reading



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State Performance

1996 NAEP 4th grade math

Adv. Prof. Basic < Basic

African American
Asian
Latino
Native American
White
All
Non-Poor
Poor

Did Not Participate

*Note: all proficiency level data in percents.

1996 NAEP 8th grade math

Adv. Prof. Basic < Basic

African American
Asian
Latino
Native American
White
All
Non-Poor
Poor

Did Not Participate

*Note: all proficiency level data in percents.

1996 NAEP 8th grade science

Adv. Prof. Basic < Basic

African American
Asian
Latino
Native American
White
All
Non-Poor
Poor

Did Not Participate

*Note: all proficiency level data in percents.



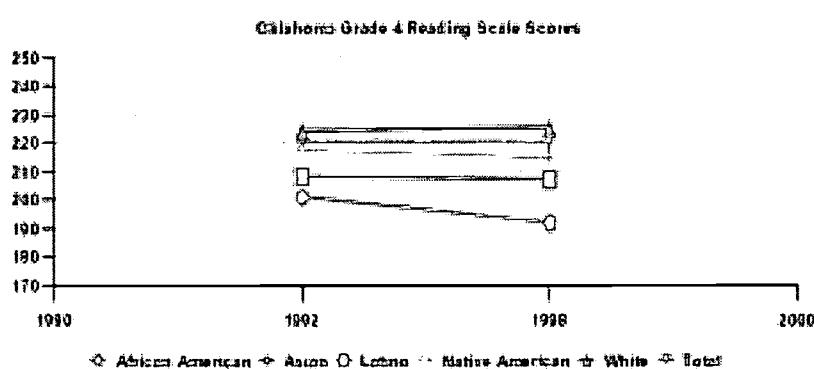
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State Performance

ACADEMIC ACHIEVEMENT

NAEP multiyear trends: Looking at change over time both in absolute student performance and in achievement gaps can show whether a state is making progress, holding static, or even backsliding. This can help states focus actions needed for improvement, and measure whether existing initiatives are effectively meeting their goals in achievement and equity.

1992-98 4th grade reading



Gap Changes Over Time

| Year | African American-White Gap | Latino-White Gap |
|------------------|----------------------------|------------------|
| 1992 | 23 | 16 |
| 1998 | 33 | 18 |
| Change* 92-98 | 10 | 2 |

Note: Change based on absolute difference in average group scale score—interpret with caution (not necessarily statistically significant)
*positive change=gap widened; negative change=gap narrowed

1992-96 4th grade math

Gap Changes Over Time

| Year | African American-White Gap | Latino-White Gap |
|------------------|----------------------------|------------------|
| 1992 | | |
| 1996 | | |
| Change* 92-96 | | |

Note: Change based on absolute difference in average group scale score—interpret with caution (not necessarily statistically significant)
*positive change=gap widened; negative change=gap narrowed

1990-96 8th grade math

Gap Changes Over Time

| Year | African American-White Gap | Latino-White Gap |
|------------------|----------------------------|------------------|
| 1990 | | |
| 1992 | | |
| 1996 | | |
| Change* 90-96 | | |

Note: Change based on absolute difference in average group scale score—interpret with caution (not necessarily statistically significant)
*positive change=gap widened; negative change=gap narrowed

No Trend Data

No Trend Data

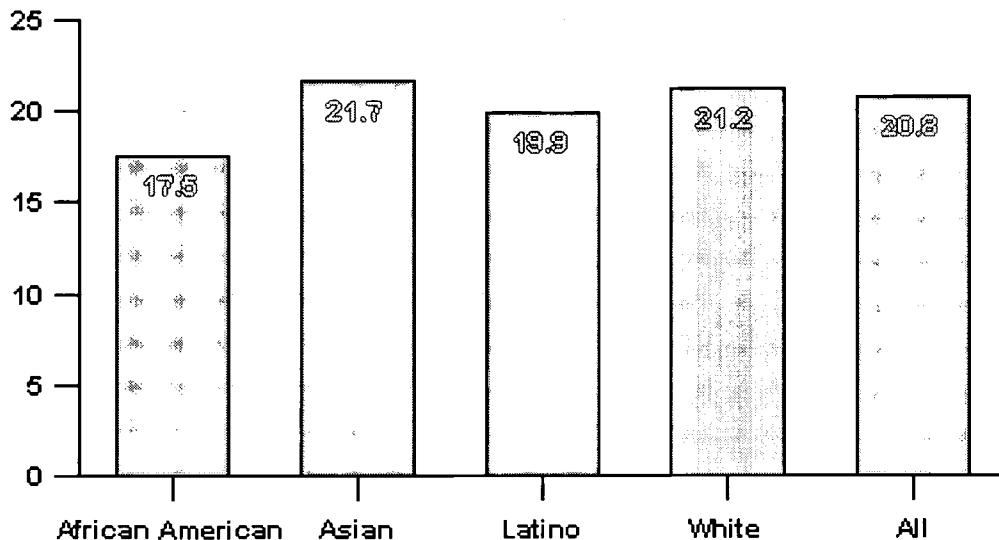
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State Performance

Average scores on college admissions tests: While increasing numbers of minorities are taking college admissions tests, in virtually every state, African American, Latino and Native American students still score well below other students. To close this gap, states should ensure that all students complete a rigorous college preparatory sequence, and that all students are held to the same expectations of postsecondary attainment. The SAT and ACT are the major nationally used college admissions tests. Below we report the scores for the predominant test used by your state's colleges and universities.

ACT Performance

ACT Performance by Race/Ethnicity, 2000



Note: A perfect score for the SAT is 1600. A perfect score for the ACT is 36.

Distribution of ACT Test Takers, 2000

Test Takers

| | |
|------------------|--------|
| African American | 7.8% |
| Asian | 3.0% |
| Latino | 3.6% |
| Native American | I.r. |
| White | 85.6% |
| Total | 100.0% |
| Number | 23,014 |

I.r. low reliability



OKLAHOMA

State Performance

ATTAINMENT

In order to determine equity in attainment rates, we compare regular diploma recipients with the number of 8th graders four years earlier, and report freshmen enrollments compared to bachelor's degrees four years later. Taken together, these show the flow of groups of students from middle school to high school graduation and through postsecondary education. Although these data do not track individual students from year to year, they should paint a fairly representative picture of who makes it through high school and college.

8th Graders vs. Diplomas

| | 8th Graders 1993-94 | Diplomas 1998 |
|------------------|------------------------|------------------|
| African American | 10.1% | 8.9% |
| Asian | 1.1% | 1.8% |
| Latino | 3.0% | 3.2% |
| Native American | 13.8% | 14.3% |
| White | 72.0% | 72.0% |
| Total | 100.0% | 100.0% |
| Number | 46,153 | 35,213 |

Chances For College, 1998

In the fall of 1998, the percentage of 19 year-olds in Oklahoma who were enrolled in college was (includes part-time and full-time students): 36.6%

Freshmen vs. Degrees Awarded

| | Freshmen* 1993-94 | Bachelor's Degrees 1997 |
|------------------|----------------------|----------------------------|
| African American | 8.3% | 5.8% |
| Asian | 2.0% | 2.5% |
| Latino | 2.4% | 1.9% |
| Native American | I.r. | I.r. |
| White | 76.7% | 74.8% |
| Other | 10.6% | 15.0% |
| Total | 100.0% | 100.0% |
| Number | 30,110 | 15,116 |

*Note: Includes first-time full time and part time freshmen at 2-year and 4-year institutions.

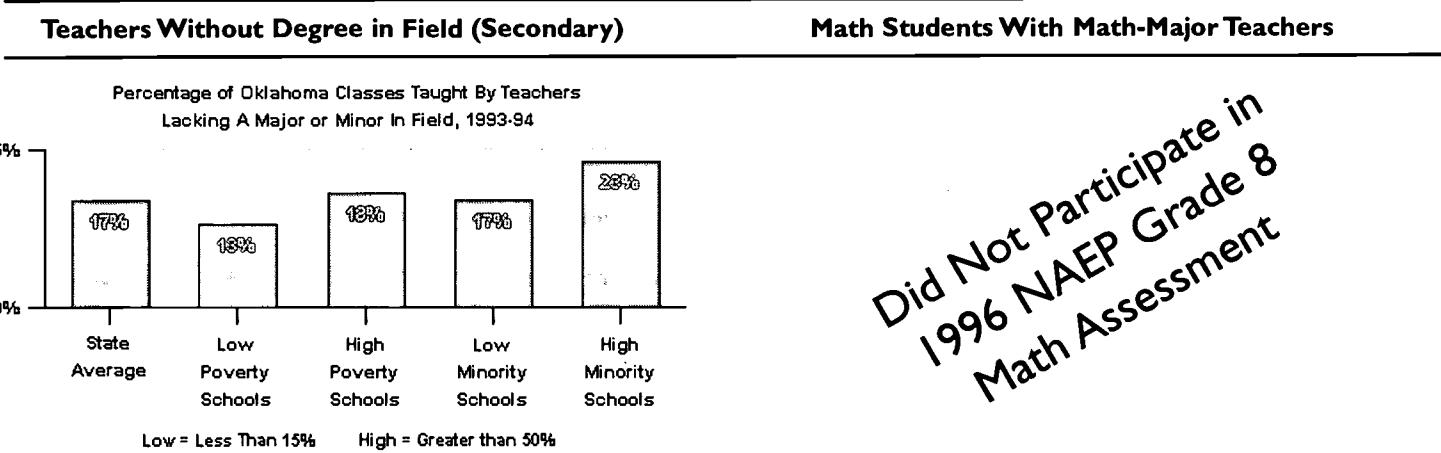
I.r. low reliability

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Opportunity

WELL-PREPARED TEACHERS

The best educational investment a state can make is to give each student a knowledgeable teacher. One key measure of teachers' qualifications is whether they have a major in their particular field. The distribution of well-prepared teachers is an important indicator of equal educational opportunity for different groups of students.



CHALLENGING CURRICULA

Industry has joined colleges in the demand for individuals with high-level knowledge and skills. This means that all students need a rigorous curriculum in order to be prepared for success, whether they choose college or work. Yet too few students have the opportunity to gain these skills through rigorous math and science courses.

Percentage of students who take high-level courses: Course-taking disaggregated by race and ethnicity is an indicator of the amount of access students have to challenging subject matter and the essential skills it develops for life after high school.

Example for reading this chart: Of all African American 8th graders, this percentage took Algebra I.

| Subject | African American | Asian | Latino | Native American | White | All |
|--------------------------|------------------|-------|--------|-----------------|-------|-----|
| 8th Grade Algebra | | | | | | |
| Algebra II by Graduation | | | | | | 67% |
| Chemistry by Graduation | | | | | | 40% |

Composition of AP test takers: Students take Advanced Placement (AP) exams after completing year-long AP courses, typically among the highest level offered in high schools. In a system where all students have equal access to these opportunities, the percentage of test-takers by race and ethnicity would be proportional to their representation in public K-12 enrollment.

Example: Of all AP test-takers, this percentage were African Americans

| AP Test Takers, 2000 | | | | |
|----------------------|-------------|---------------------|-------------|---------|
| | Public K-12 | English/Composition | Calculus AB | Biology |
| African American | 10.6% | 7.1% | 4.4% | 7.0% |
| Asian | 1.3% | 7.8% | 10.5% | 10.0% |
| Latino | 4.6% | 4.5% | 3.3% | 4.9% |
| Native American | 15.5% | I.r. | I.r. | I.r. |
| White | 68.1% | 80.7% | 81.7% | 78.2% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |
| Number | 623,681 | 1,262 | 837 | 412 |

I.r. low reliability

OKLAHOMA

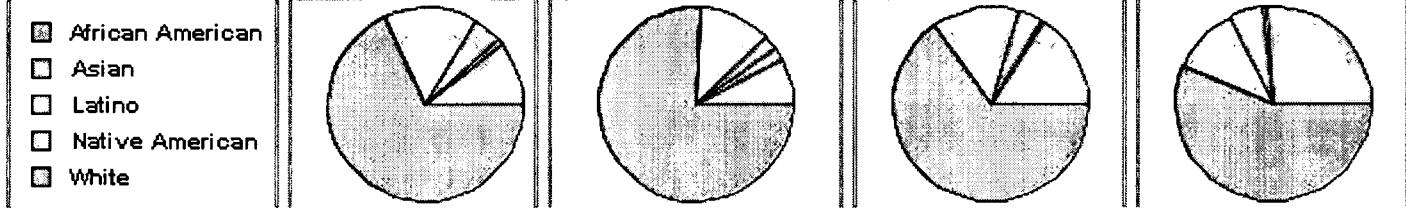
Opportunity

SPECIAL STUDENT PLACEMENTS

The school programs listed below vary a great deal in their level of curriculum, expectations, and instruction. Poor and minority students should not face disproportionate placement in programs with lower academic expectations. If there is equity in placements, the number of Latino students, for example, placed in gifted and talented programs and in special education should be proportional to Latinos enrolled in K-12. Although suspensions are not precisely an academic program, we include data about them because too often they represent a placement out of the system altogether.

Student Placement, 1998

| | Public K-12 | Gifted and Talented | Special Education | Suspensions |
|------------------|-------------|---------------------|-------------------|-------------|
| African American | 10.6% | 7.46% | 16.09% | 26.16% |
| Asian | 1.3% | 2.29% | 0.32% | 0.7% |
| Latino | 4.6% | 2.45% | 3.96% | 5.53% |
| Native American | 15.5% | 11.92% | 14.69% | 11.29% |
| White | 68.1% | 75.87% | 64.95% | 56.32% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |
| Number | 623,681 | 85,232 | 55,624 | 40,117 |



EFFECTIVE INSTRUCTION

Students can do no better than the assignments and instruction they are given. Research shows that students whose teachers emphasize mathematical problem solving and hands-on science activities score significantly higher on NAEP. How often students experience these practices is another indicator of educational opportunity.

Math and Science Practice (8th Grade) 1996

Emphasis on Solving Complex Math Problems

Frequency of Hands on Science

Did Not Participate in
this NAEP Assessment

Did Not Participate in
this NAEP Assessment

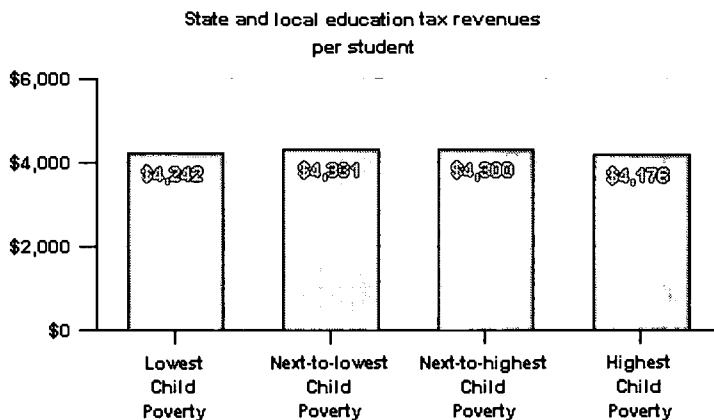
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Opportunity

INVESTMENTS

State and local education dollars by district poverty and minority enrollment, 1996-97: A growing body of research shows that additional dollars spent on the right things can substantially raise the achievement of poor and minority students. But despite decades of school finance litigation in many states, students in districts with the greatest challenges by and large still receive the fewest resources.

Education Dollars by District Poverty



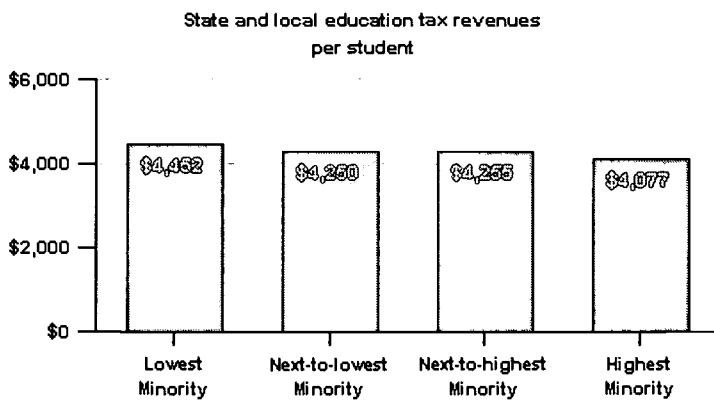
NOTE: Dollars are adjusted for student needs and regional cost differences. Districts are divided into quarters by child poverty.

Analysis

Research suggests that investing more funds in education services for disadvantaged students can help close the achievement gap.

In Oklahoma, districts with the highest child poverty rates have \$66 fewer state and local dollars to spend per student compared with the lowest-poverty districts. That translates into a total \$1,650 for a typical classroom of 25 students.

Education Dollars by District Minority Enrollment



NOTE: Dollars are adjusted for student needs and regional cost differences. Districts are divided into quarters by enrollment.

Analysis

Research suggests that investing more funds in education services for disadvantaged students can help close the achievement gap.

In Oklahoma, districts with the highest minority enrollments have \$375 fewer state and local dollars to spend per student compared with the lowest-minority districts. That translates into a total \$9,375 for a typical classroom of 25 students.

OKLAHOMA

Opportunity

Per Pupil Investment, 1999-2000: To facilitate comparison across states, data are adjusted to reflect the higher cost of educating students who live in places where educational supplies and sources tend to be more expensive, such as large cities. These numbers will therefore differ from unadjusted Per Pupil Expenditure figures. Even cost adjusted dollars per students vary a great deal from state to state, from a low in Utah of \$4,280, to a high of \$9,057 in West Virginia.

The State average per pupil investment was.....\$6,137

Effort, 1997-98: By surfacing the level of a state's commitment, this calculation of "effort" allows comparisons between wealthy and less affluent states that may not be apparent when examining per pupil spending alone. For example, a state with low wealth may rank low on per pupil spending, but an examination of "Effort" shows that a high percentage of its wealth is devoted to education. The state in this example would rank favorably against a wealthier state that commits a smaller percentage of its resources to education, even though the latter state's actual "per pupil" dollars may be larger. Among the 50 states this ranges from a low of \$27.07 in Delaware, to a high of \$52.77 in Vermont.

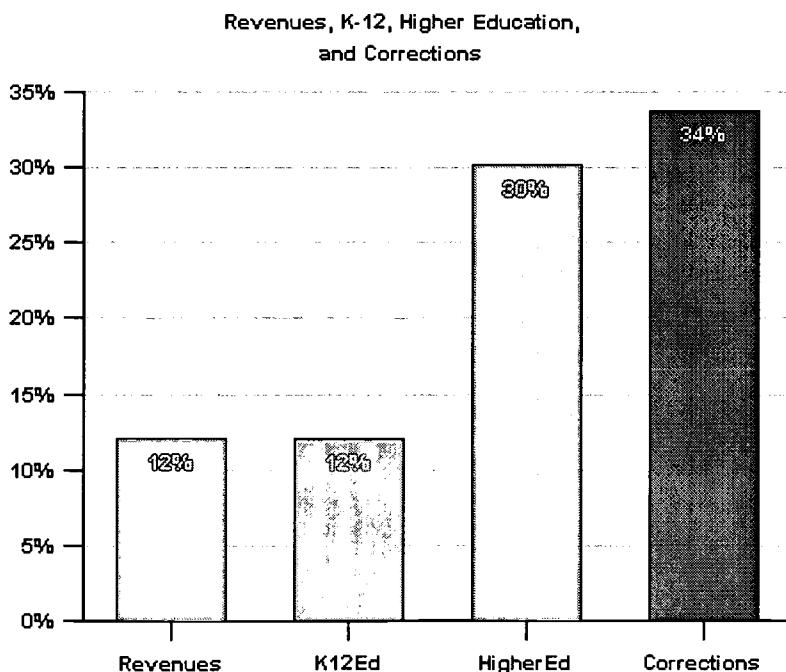
For every \$1,000 in annual personal income, the combined state and local investment in K-12 education was.....\$39.85

College vs. Prison, 1998

Compares the annual cost of maintaining an individual in prison to the price of tuition, room and board at the state's leading public university.

| Institution | Annual College Cost | Annual Prison Cost |
|------------------------|---------------------|--------------------|
| University of Oklahoma | \$6,607.00 | \$14,172.95 |

Change in state investments, 1997-99: By comparing trends in total state spending and on elementary/secondary education, higher education and corrections over a two-year period, we can gauge the priority a state gives to investing in education.



Minority Achievement Gains, State by State

4th Grade Math Scale Scores, 1992–96

Where are minority students making the largest gains?

The following tables show how many points African American and Latino students gained or lost on the National Assessment of Educational Progress (NAEP). The tables only include those states that participated in both years and had enough members of each student group in the testing sample.

African American

| State | 1992 | 1996 | Change |
|----------------------|-------------|-------------|---------------|
| Massachusetts | 194 | 208 | +14 |
| Michigan | 186 | 199 | +13 |
| Texas | 199 | 212 | +13 |
| Iowa | 194 | 205 | +11 |
| North Carolina | 194 | 205 | +11 |
| Connecticut | 195 | 206 | +11 |
| Indiana | 196 | 206 | +10 |
| Louisiana | 187 | 196 | +9 |
| NATION | 192 | 200 | +8 |
| Nebraska | 191 | 198 | +7 |
| Mississippi | 190 | 197 | +7 |
| Virginia | 198 | 204 | +6 |
| Tennessee | 193 | 198 | +5 |
| Alabama | 189 | 194 | +5 |
| Missouri | 196 | 201 | +5 |
| New Jersey | 199 | 204 | +5 |
| Wisconsin | 196 | 201 | +5 |
| Pennsylvania | 194 | 199 | +5 |
| Florida | 191 | 195 | +4 |
| Arkansas | 189 | 193 | +4 |
| Maryland | 195 | 199 | +4 |
| New York | 200 | 204 | +4 |
| California | 184 | 188 | +4 |
| Georgia | 197 | 201 | +4 |
| Hawaii | 200 | 204 | +4 |
| South Carolina | 195 | 199 | +4 |
| Rhode Island | 191 | 194 | +3 |
| Kentucky | 201 | 204 | +3 |
| New Mexico | 203 | 205 | +2 |
| West Virginia | 204 | 205 | +1 |
| Arizona | 199 | 200 | +1 |
| Minnesota | 194 | 193 | -1 |
| Delaware | 198 | 195 | -3 |
| Colorado | 200 | 196 | -4 |
| District Of Columbia | 190 | 184 | -6 |

Latino

| State | 1992 | 1996 | Change |
|----------------------|-------------|-------------|---------------|
| Tennessee | 193 | 209 | +16 |
| Minnesota | 208 | 219 | +11 |
| Rhode Island | 190 | 201 | +11 |
| Mississippi | 186 | 196 | +10 |
| Arkansas | 195 | 203 | +8 |
| Texas | 209 | 216 | +7 |
| North Dakota | 215 | 222 | +7 |
| Missouri | 208 | 214 | +6 |
| West Virginia | 204 | 210 | +6 |
| North Carolina | 200 | 206 | +6 |
| New York | 199 | 205 | +6 |
| Indiana | 210 | 215 | +5 |
| California | 192 | 197 | +5 |
| Massachusetts | 207 | 211 | +4 |
| Georgia | 198 | 202 | +4 |
| NATION | 201 | 205 | +4 |
| Colorado | 206 | 210 | +4 |
| Hawaii | 199 | 202 | +3 |
| Alabama | 193 | 196 | +3 |
| Pennsylvania | 205 | 207 | +2 |
| Virginia | 212 | 214 | +2 |
| New Mexico | 203 | 205 | +2 |
| Kentucky | 199 | 201 | +2 |
| Wisconsin | 213 | 214 | +1 |
| Connecticut | 206 | 207 | +1 |
| Arizona | 203 | 204 | +1 |
| Florida | 207 | 207 | 0 |
| Maryland | 207 | 207 | 0 |
| New Jersey | 206 | 206 | 0 |
| District of Columbia | 182 | 182 | 0 |
| Michigan | 206 | 205 | -1 |
| Utah | 209 | 208 | -1 |
| South Carolina | 200 | 199 | -1 |
| Nebraska | 210 | 209 | -1 |
| Maine | 220 | 218 | -2 |
| Delaware | 199 | 194 | -5 |
| Wyoming | 215 | 209 | -6 |
| Louisiana | 200 | 193 | -7 |
| Iowa | 219 | 212 | -7 |

Minority Achievement Gains, State by State

8th Grade Math Scale Scores, 1990–96

Where are minority students making the largest gains?

The following tables show how many points African American and Latino students gained or lost on the National Assessment of Educational Progress (NAEP). The tables only include those states that participated in both years and had enough members of each student group in the testing sample.

African American

| State | 1990 | 1996 | Change |
|----------------------|-------------|-------------|---------------|
| Nebraska | 235 | 256 | +21 |
| Colorado | 237 | 255 | +18 |
| Rhode Island | 227 | 244 | +17 |
| North Carolina | 233 | 247 | +14 |
| Michigan | 232 | 246 | +14 |
| Texas | 236 | 249 | +13 |
| West Virginia | 235 | 246 | +11 |
| New York | 236 | 246 | +10 |
| Minnesota | 239 | 249 | +10 |
| Arizona | 245 | 254 | +9 |
| Kentucky | 240 | 248 | +8 |
| California | 233 | 239 | +6 |
| Florida | 231 | 236 | +5 |
| Louisiana | 230 | 235 | +5 |
| NATION | 237 | 242 | +5 |
| Maryland | 238 | 243 | +5 |
| Indiana | 243 | 247 | +4 |
| Connecticut | 241 | 245 | +4 |
| Arkansas | 232 | 235 | +3 |
| Wisconsin | 238 | 240 | +2 |
| Delaware | 242 | 244 | +2 |
| Virginia | 242 | 244 | +2 |
| Georgia | 240 | 241 | +1 |
| District of Columbia | 231 | 231 | 0 |
| Alabama | 234 | 233 | -1 |

Latino

| State | 1990 | 1996 | Change |
|----------------------|-------------|-------------|---------------|
| North Carolina | 218 | 253 | +35 |
| Minnesota | 239 | 266 | +27 |
| Louisiana | 226 | 242 | +16 |
| North Dakota | 249 | 264 | +15 |
| Connecticut | 237 | 252 | +15 |
| Georgia | 231 | 246 | +15 |
| Virginia | 243 | 258 | +15 |
| Hawaii | 231 | 244 | +13 |
| West Virginia | 232 | 244 | +12 |
| Iowa | 256 | 268 | +12 |
| Maryland | 237 | 248 | +11 |
| Texas | 245 | 256 | +11 |
| Colorado | 247 | 257 | +10 |
| Indiana | 245 | 255 | +10 |
| California | 237 | 246 | +9 |
| Rhode Island | 230 | 239 | +9 |
| Arizona | 242 | 251 | +9 |
| Wisconsin | 250 | 259 | +9 |
| New York | 237 | 245 | +8 |
| Florida | 245 | 253 | +8 |
| NATION | 242 | 250 | +8 |
| Michigan | 243 | 249 | +6 |
| Oregon | 254 | 259 | +5 |
| Alabama | 227 | 232 | +5 |
| New Mexico | 247 | 252 | +5 |
| District of Columbia | 217 | 221 | +4 |
| Delaware | 242 | 244 | +2 |
| Wyoming | 255 | 256 | +1 |
| Nebraska | 253 | 253 | 0 |
| Montana | 263 | 257 | -6 |

Minority Achievement Gains, State by State

4th Grade Reading Scale Scores, 1992–98

Where are minority students making the largest gains?

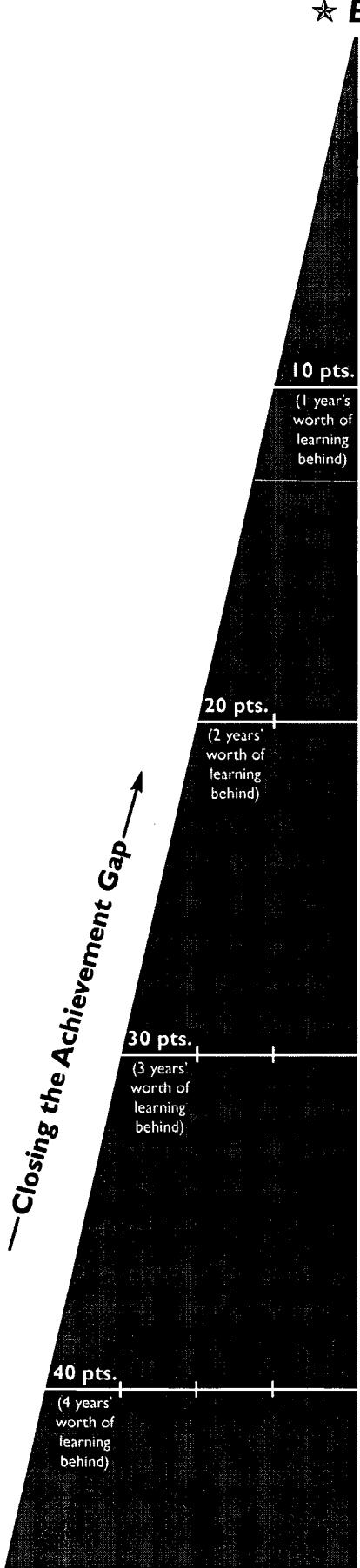
The following tables show how many points African American and Latino students gained or lost on the National Assessment of Educational Progress (NAEP). The tables only include those states that participated in both years and had enough members of each student group in the testing sample.

African American

| State | 1992 | 1998 | Change |
|----------------------|-------------|-------------|---------------|
| Rhode Island | 187 | 197 | +10 |
| Connecticut | 196 | 205 | +9 |
| North Carolina | 194 | 200 | +6 |
| Mississippi | 186 | 192 | +6 |
| Alabama | 188 | 193 | +5 |
| California | 184 | 189 | +5 |
| Delaware | 195 | 199 | +4 |
| Florida | 186 | 189 | +3 |
| Michigan | 188 | 191 | +3 |
| Hawaii | 192 | 195 | +3 |
| Maryland | 193 | 195 | +2 |
| South Carolina | 195 | 197 | +2 |
| NATION | 192 | 193 | +1 |
| Colorado | 202 | 202 | 0 |
| Tennessee | 193 | 193 | 0 |
| Virginia | 203 | 203 | 0 |
| Kentucky | 197 | 196 | -1 |
| Minnesota | 191 | 190 | -1 |
| Texas | 200 | 197 | -3 |
| Georgia | 196 | 193 | -3 |
| Massachusetts | 205 | 202 | -3 |
| Arkansas | 190 | 186 | -4 |
| Louisiana | 191 | 186 | -5 |
| Missouri | 196 | 190 | -6 |
| District Of Columbia | 186 | 180 | -6 |
| Wisconsin | 200 | 193 | -7 |
| New York | 202 | 193 | -9 |
| Oklahoma | 201 | 192 | -9 |
| Arizona | 200 | 190 | -10 |
| West Virginia | 204 | 192 | -12 |
| Iowa | 209 | 192 | -17 |
| New Mexico | 202 | 183 | -19 |

Latino

| State | 1992 | 1998 | Change |
|----------------------|-------------|-------------|---------------|
| Connecticut | 193 | 205 | +12 |
| New York | 187 | 194 | +7 |
| Delaware | 188 | 193 | +5 |
| North Carolina | 192 | 196 | +4 |
| Maryland | 197 | 200 | +3 |
| Texas | 201 | 204 | +3 |
| Georgia | 192 | 193 | +1 |
| Alabama | 190 | 190 | 0 |
| Colorado | 202 | 202 | 0 |
| Kentucky | 195 | 195 | 0 |
| Minnesota | 203 | 203 | 0 |
| West Virginia | 196 | 196 | 0 |
| Maine | 209 | 208 | -1 |
| Florida | 201 | 200 | -1 |
| Massachusetts | 201 | 200 | -1 |
| Arkansas | 188 | 187 | -1 |
| Oklahoma | 208 | 207 | -1 |
| Iowa | 211 | 210 | -1 |
| New Mexico | 200 | 199 | -1 |
| Wyoming | 209 | 207 | -2 |
| Mississippi | 185 | 183 | -2 |
| California | 183 | 181 | -2 |
| Wisconsin | 210 | 208 | -2 |
| Tennessee | 196 | 193 | -3 |
| NATION | 199 | 195 | -4 |
| Virginia | 202 | 198 | -4 |
| Louisiana | 188 | 184 | -4 |
| Michigan | 198 | 193 | -5 |
| Rhode Island | 191 | 185 | -6 |
| South Carolina | 195 | 189 | -6 |
| Missouri | 202 | 196 | -6 |
| District Of Columbia | 177 | 168 | -9 |
| Hawaii | 193 | 183 | -10 |
| Arizona | 198 | 186 | -12 |
| New Hampshire | 215 | 201 | -14 |
| Utah | 204 | 189 | -15 |



African American-White Math Achievement Gaps: NAEP 1996 Grade 8 Assessment

How big is the achievement gap in your state?

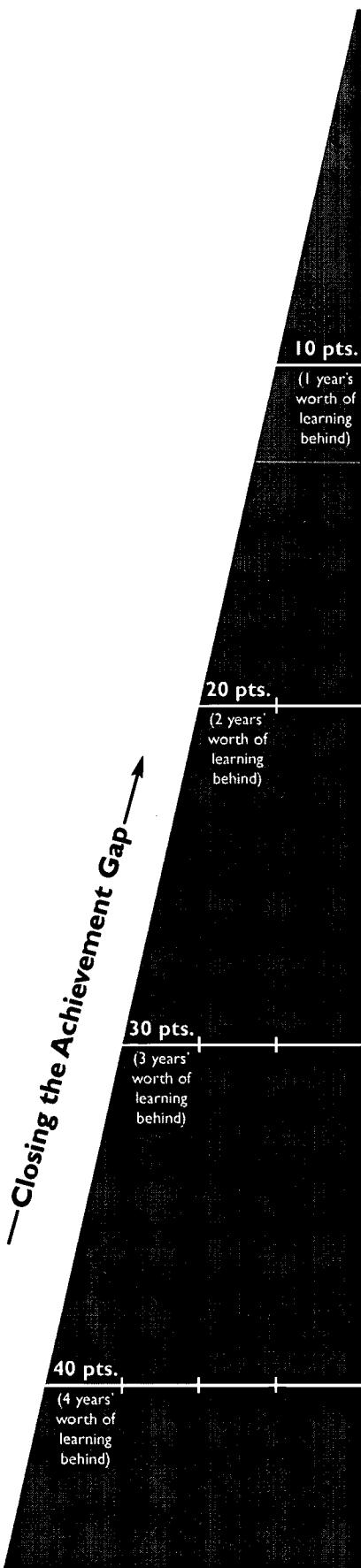
States with sample sizes too small

Alaska, Hawaii, Maine, Montana, New Mexico, North Dakota, Oregon, Utah, Vermont, Wyoming

States that did not participate

Idaho, Illinois, Kansas, Nevada, New Hampshire, New Jersey, Ohio, Oklahoma, Pennsylvania, South Dakota

★ Equity ★



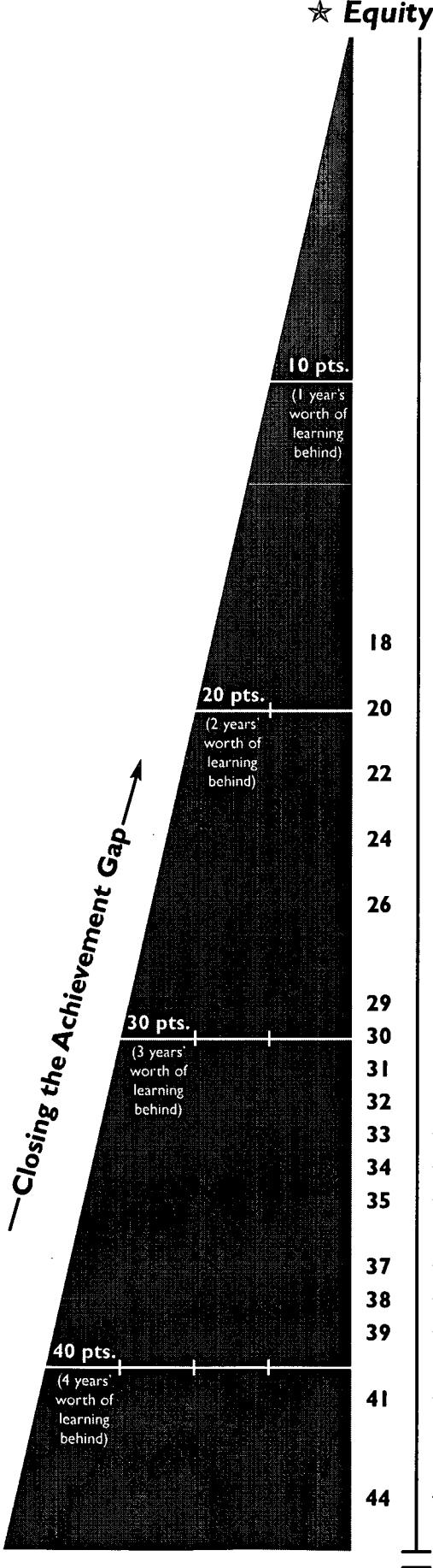
**Latino-White Math
Achievement Gaps: NAEP
1996 Grade 8 Assessment**

**How big is the achievement gap
in your state?**

| | |
|----|--|
| 17 | ◀ Iowa |
| 19 | ◀ Missouri |
| 20 | ◀ Oregon |
| 22 | ◀ Minnesota, North Dakota, Virginia, West Virginia, Wyoming |
| 24 | ◀ Louisiana, Utah |
| 25 | ◀ North Carolina, Tennessee |
| 26 | ◀ Colorado, Florida, Indiana |
| 27 | ◀ Arizona |
| 28 | ◀ New Mexico |
| 29 | ◀ Hawaii, Texas |
| 30 | ◀ Georgia, Montana, Wisconsin |
| 31 | ◀ Delaware, Washington, US |
| 33 | ◀ Alaska, California |
| 34 | ◀ Nebraska |
| 36 | ◀ Connecticut, Michigan, Rhode Island |
| 37 | ◀ Maryland |
| 39 | ◀ New York, South Carolina |
| 40 | ◀ Alabama |
| 41 | ◀ Massachusetts |
| 42 | ◀ Mississippi |
| 82 | ◀ District of Columbia |

States with sample sizes too small
Arkansas, Kentucky,
Maine, Vermont

States that did not participate
Idaho, Illinois, Kansas,
Nevada, New Hampshire,
New Jersey, Ohio,
Oklahoma, Pennsylvania,
South Dakota



African American-White Science Achievement Gaps: NAEP 1996 Grade 8 Assessment

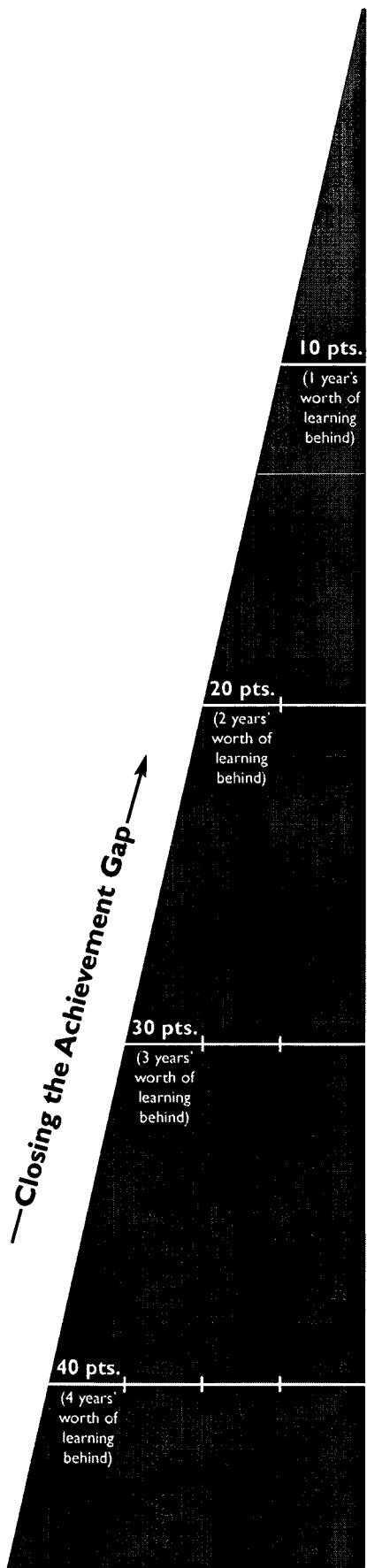
**How big is the achievement gap
in your state?**

States with sample sizes too small
Alaska, Maine, Montana, New Mexico, North Dakota, Oregon, Utah, Vermont, Wyoming

States that did not participate
District of Columbia, Idaho, Illinois, Kansas, Nevada, New Hampshire, New Jersey, Ohio, Oklahoma, Pennsylvania, South Dakota

Note: Gaps are measured by the point difference between minority and White average scale scores.

★ Equity ★



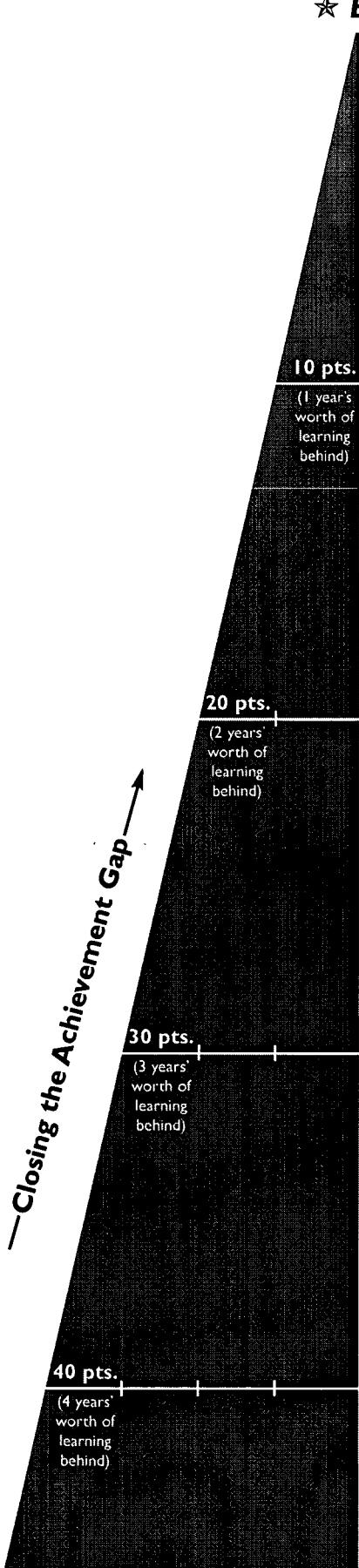
**Latino-White Science
Achievement Gaps: NAEP
1996 Grade 8 Assessment**

**How big is the achievement gap
in your state?**

| | |
|----|--|
| 19 | ↳ Indiana, Montana |
| 20 | ↳ Iowa |
| 22 | ↳ Wyoming |
| 23 | ↳ Maine, Vermont |
| 24 | ↳ Oregon |
| 25 | ↳ Alaska, Hawaii, Wisconsin |
| 26 | ↳ Florida, Utah |
| 27 | ↳ Colorado, Georgia, Michigan, Nebraska, North Dakota, Virginia, West Virginia |
| 28 | ↳ Missouri |
| 29 | ↳ Arizona, Minnesota, New Mexico |
| 30 | ↳ Washington |
| 31 | ↳ South Carolina, US |
| 32 | ↳ Arkansas |
| 33 | ↳ Texas |
| 34 | ↳ North Carolina |
| 35 | ↳ California |
| 36 | ↳ Delaware, Massachusetts |
| 37 | ↳ Kentucky, Rhode Island |
| 39 | ↳ Maryland |
| 43 | ↳ Connecticut, Louisiana |
| 44 | ↳ Mississippi |
| 45 | ↳ Alabama, New York |
| 47 | ↳ Tennessee |

**States that did
not participate**

District of Columbia,
Idaho, Illinois, Kansas,
Nevada, New Hampshire,
New Jersey, Ohio,
Oklahoma, Pennsylvania,
South Dakota



African American-White Reading Achievement Gaps: NAEP 1998 Grade 8 Assessment

**How big is the achievement gap
in your state?**

- 16 ← Hawaii, Rhode Island
- 17 ← West Virginia
- 18 ← Oklahoma
- 19 ← Kansas
- 20 ← Washington

- 22 ← North Carolina
- 23 ← Kentucky, Massachusetts
- 24 ← South Carolina
- 25 ← Alabama, California, Delaware, Mississippi, Missouri, Nevada, Virginia
- 26 ← Arizona
- 27 ← Louisiana
- 28 ← Arkansas, Tennessee, Texas
- 29 ← New York, US
- 30 ← Florida, Georgia
- 31 ← Colorado, Maryland

- 33 ← Wisconsin

- 37 ← Connecticut

- 39 ← Minnesota

- 46 ← District of Columbia

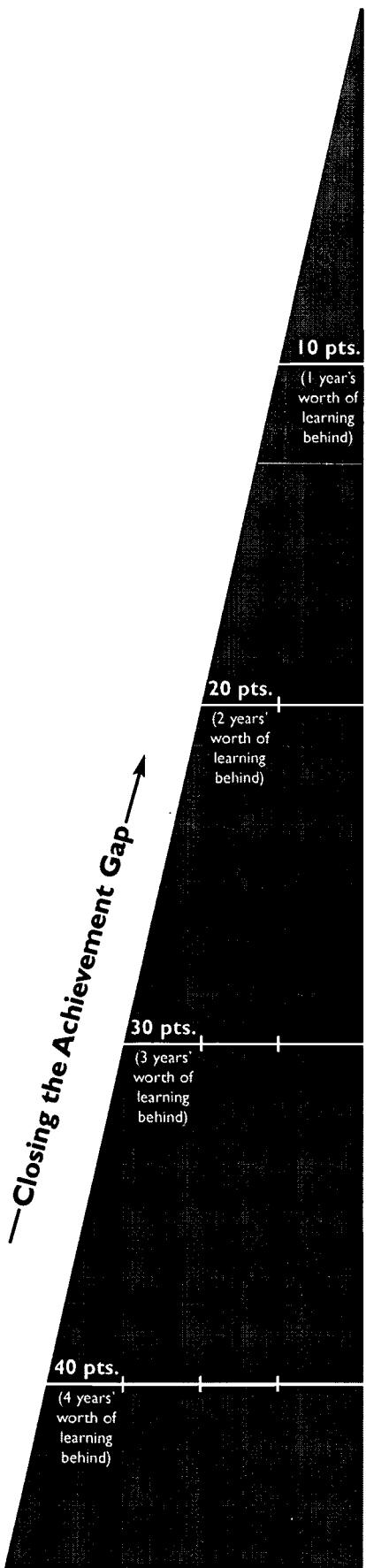
**States with sample
sizes too small**

Montana, New Mexico,
Oregon, Utah, Wyoming

**States that did
not participate**

Alaska, Idaho, Illinois,
Indiana, Iowa, Maine,
Michigan, Nebraska, New
Hampshire, New Jersey,
North Dakota, Ohio,
Pennsylvania, South
Dakota, Vermont

★ Equity ★



Latino-White Reading Achievement Gaps: NAEP 1998 Grade 8 Assessment

How big is the achievement gap in your state?

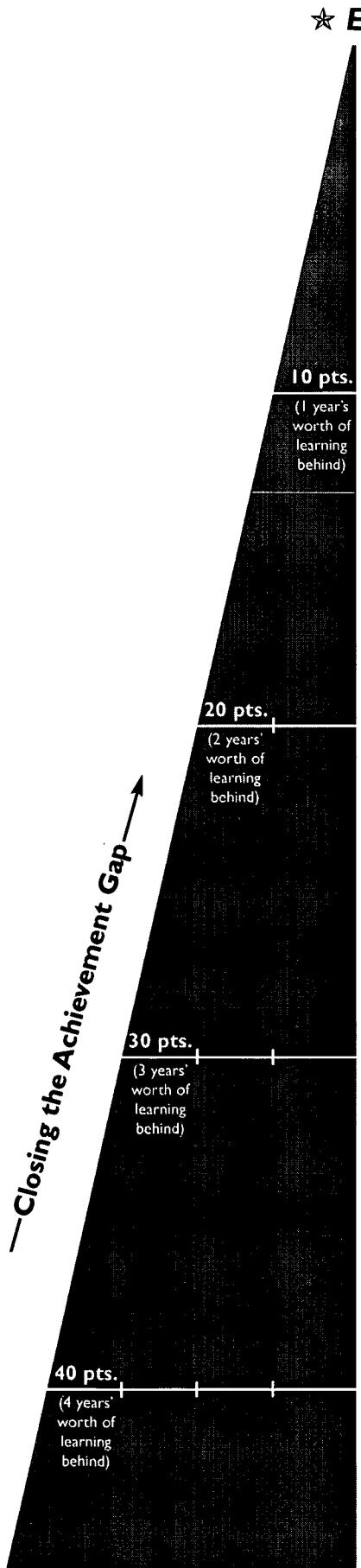
| | |
|----|---|
| 16 | ◀ Utah |
| 17 | ◀ Oklahoma |
| | |
| 20 | ◀ Delaware |
| 21 | ◀ Texas, Virginia, Wisconsin |
| 22 | ◀ New Mexico, Oregon |
| 23 | ◀ Florida, Nevada |
| 24 | ◀ Kansas, Maryland, Montana, Washington |
| 25 | ◀ Hawaii, Wyoming |
| | |
| 27 | ◀ Arizona, US |
| 28 | ◀ Colorado, Massachusetts, New York |
| 29 | ◀ Alabama, Connecticut |
| 30 | ◀ California, Rhode Island |
| | |
| 32 | ◀ Georgia, North Carolina, Tennessee |
| 33 | ◀ Arkansas |
| 34 | ◀ Louisiana |
| | |
| 38 | ◀ Minnesota, South Carolina |
| | |
| 47 | ◀ District of Columbia, Mississippi |

States with sample sizes too small

Kentucky, Missouri, West Virginia

States that did not participate

Alaska, Idaho, Illinois, Indiana, Iowa, Maine, Michigan, Nebraska, New Hampshire, New Jersey, North Dakota, Ohio, Pennsylvania, South Dakota, Vermont



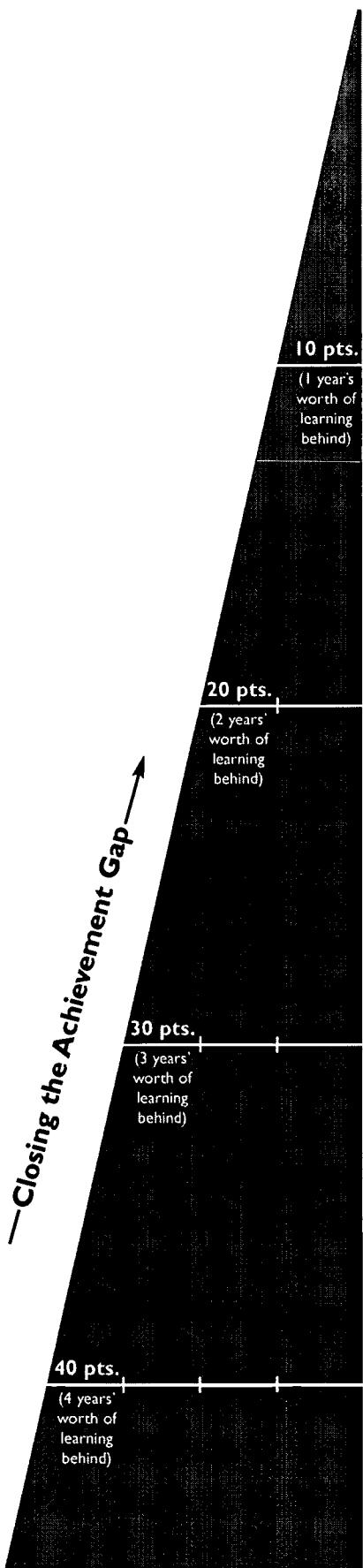
African American-White Writing Achievement Gaps: NAEP 1998 Grade 8 Assessment

How big is the achievement gap in your state?

States with sample sizes too small
Montana, Oregon, Utah, Wyoming

States that did not participate
Alaska, Idaho, Illinois, Indiana, Iowa, Kansas, Maine, Michigan, Nebraska, New Hampshire, New Jersey, North Dakota, Ohio, Pennsylvania, South Dakota, Vermont

★ Equity ★



Latino-White Writing Achievement Gaps: NAEP 1998 Grade 8 Assessments

**How big is the achievement gap
in your state?**

- 13 ← **Virginia**
- 16 ← **Florida**
- 18 ← **Wyoming**
- 19 ← **New Mexico, Oregon**
- 20 ← **Delaware, Hawaii, Montana, Texas, Wisconsin**
- 22 ← **Oklahoma**
- 23 ← **North Carolina**
- 24 ← **Arizona, Nevada**
- 25 ← **Colorado, Kentucky**
- 26 ← **Alabama, Louisiana, Utah**
- 27 ← **Arkansas, US**
- 28 ← **West Virginia**
- 29 ← **South Carolina**
- 30 ← **Maryland, Missouri, Rhode Island, Washington**
- 31 ← **New York**
- 32 ← **California, Georgia, Tennessee**
- 33 ← **Minnesota**
- 34 ← **Connecticut**
- 36 ← **District of Columbia, Massachusetts**
- 38 ← **Mississippi**

**States that did
not participate**

Alaska, Idaho, Illinois,
Indiana, Iowa, Kansas,
Maine, Michigan,
Nebraska, New
Hampshire, New Jersey,
North Dakota, Ohio,
Pennsylvania, South
Dakota, Vermont

OKLAHOMA

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Please note: For calculations and technical notes, please see our *Definitions and Sources* online at www.edtrust.org.

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OPPORTUNITY: INVESTMENTS IN WELL-PREPARED TEACHERS

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OKLAHOMA

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